

**IN THE CLAIMS:**

Please cancel Claims 1-13 and add the following new Claims 14-27.

--14. (New) A method of fixing an oligonucleotide or a polynucleotide to a solid carrier which comprises the step of spotting an aqueous solution containing the oligonucleotide or the polynucleotide and a hydrophilic polymer onto the solid carrier.--

--15. (New) The method of Claim 14, wherein the oligonucleotide or the polynucleotide is fixed to the solid carrier at its one end portion.--

--16. (New) The method of Claim 14, which further comprises the steps of washing the carrier resulting from the spotting step and drying the carrier resulting from the washing step.--

--17. (New) The method of Claim 14, wherein the solid carrier is selected from the group consisting of a glass sheet, a silicon sheet and a polymer sheet.--

--18. (New) The method of Claim 14, wherein the solid carrier is a glass sheet.--

--19. (New) The method of Claim 18, wherein the glass sheet is pre-treated with poly-L-lysine, polyethylene imine or polyalkylamine.--

--20. (New) The method of Claim 18, wherein the glass sheet is pre-treated with a silane coupling agent having an amino group, an aldehyde group or an epoxy group.--

--21. (New) The method of Claim 14, wherein the oligonucleotide or the polynucleotide has a functional group selected from the group consisting of an amino group, an aldehyde group, a thiol group and a biotin group.--

--22. (New) The method of Claim 14, wherein the hydrophilic polymer is a nonionic polymer or a cationic polymer.--

--23. (New) The method of Claim 14, wherein the hydrophilic polymer is a cellulose derivative.--

--24. (New) The method of Claim 14, wherein the hydrophilic polymer is selected from the group consisting of polyacrylamide, polyethylene glycol, polyvinyl alcohol and saccharide.--

--25. (New) The method of Claim 14, wherein the aqueous solution contains the hydrophilic polymer in an amount of 0.1 to 2.0 vol.%.--

--26. (New) The method of Claim 14, wherein the carrier resulting from the spotting step is heated.--

--27. (New) The method of Claim 14, wherein the carrier resulting from the spotting step is exposed to UV irradiation.--